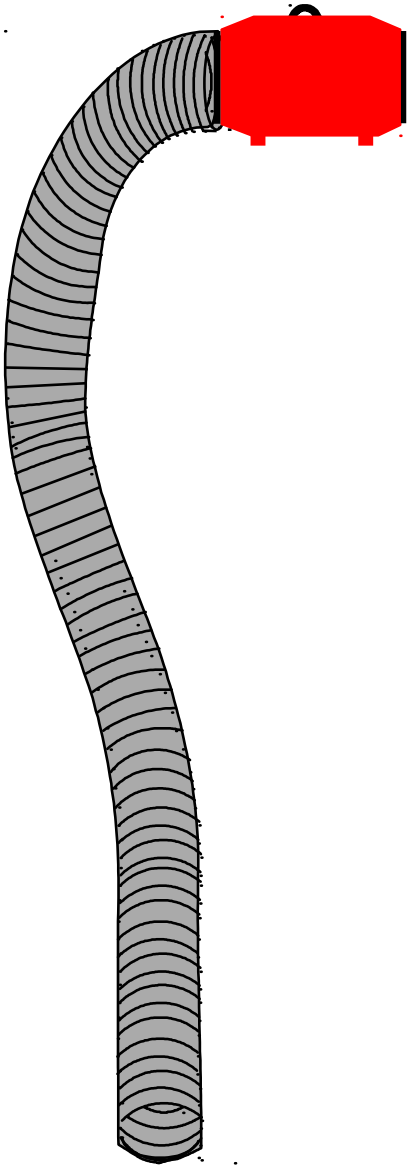


PORTABLE VENTILATION EQUIPMENT

ENABLING OBJECTIVES

- DESCRIBE THE PRINCIPLE OF OPERATION OF THE FOLLOWING TYPES OF PORTABLE VENTILATION EQUIPMENT:
  - RED DEVIL BLOWER
  - RAM FAN
  - SUPER VAC
  - HOSE DUCT

EO’S CONTINUED

- DESCRIBE THE OPERATING PROCEDURES, PARAMETERS, SAFETY PRECAUTIONS AND MAINTENANCE REQUIREMENTS FOR PORTABLE VENTILATION EQUIPMENT

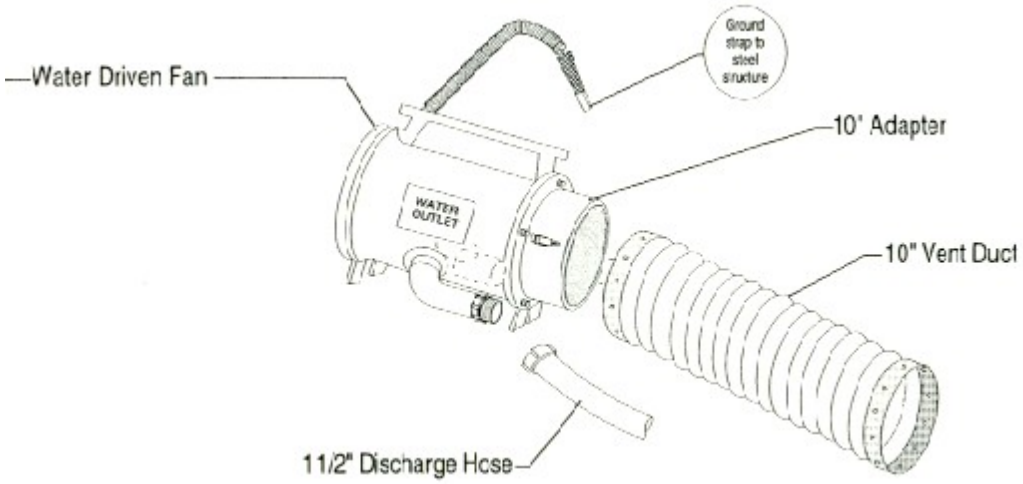
RED DEVIL BLOWER

- 115 V POWER SUPPLY
- RATED AT 500 CFM WITH 45 FEET OF 8 INCH DUCTING
- APPROX. WEIGHT 70 POUNDS
- EXPLOSION PROOF
- REQUIRES SAFETY CHECK
- REPLACED BY RAM FAN
- REMOVE FROM DCRS’S!!

RAM FAN 2000 WATER DRIVEN BLOWER

- 1 1/2 INCH FIREMAIN INLET AND DISCHARGE CONNECTION
- 2000 CFM WITH 10 INCH VENTILATION DUCT
- WEIGHS 35 LBS
- OPERATING PRESSURE 40-80 PSI, MAX 250 PSI
- EXPLOSION PROOF WHEN GROUNDED
  - BARE METAL
- 2 PER DCRS

RAM FAN 2000
WATER DRIVEN BLOWER

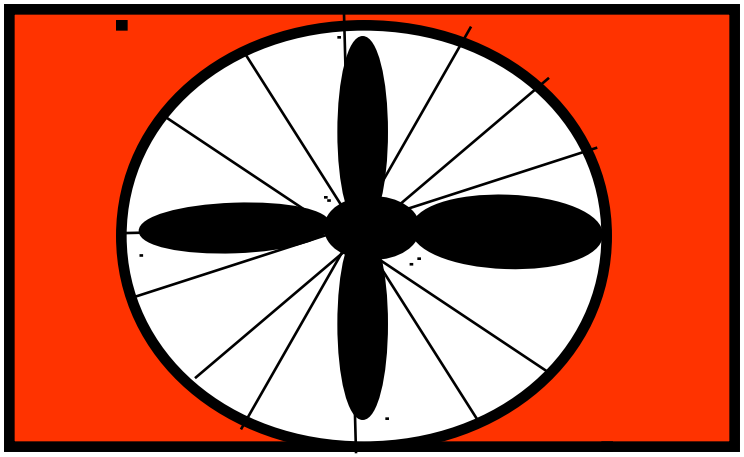


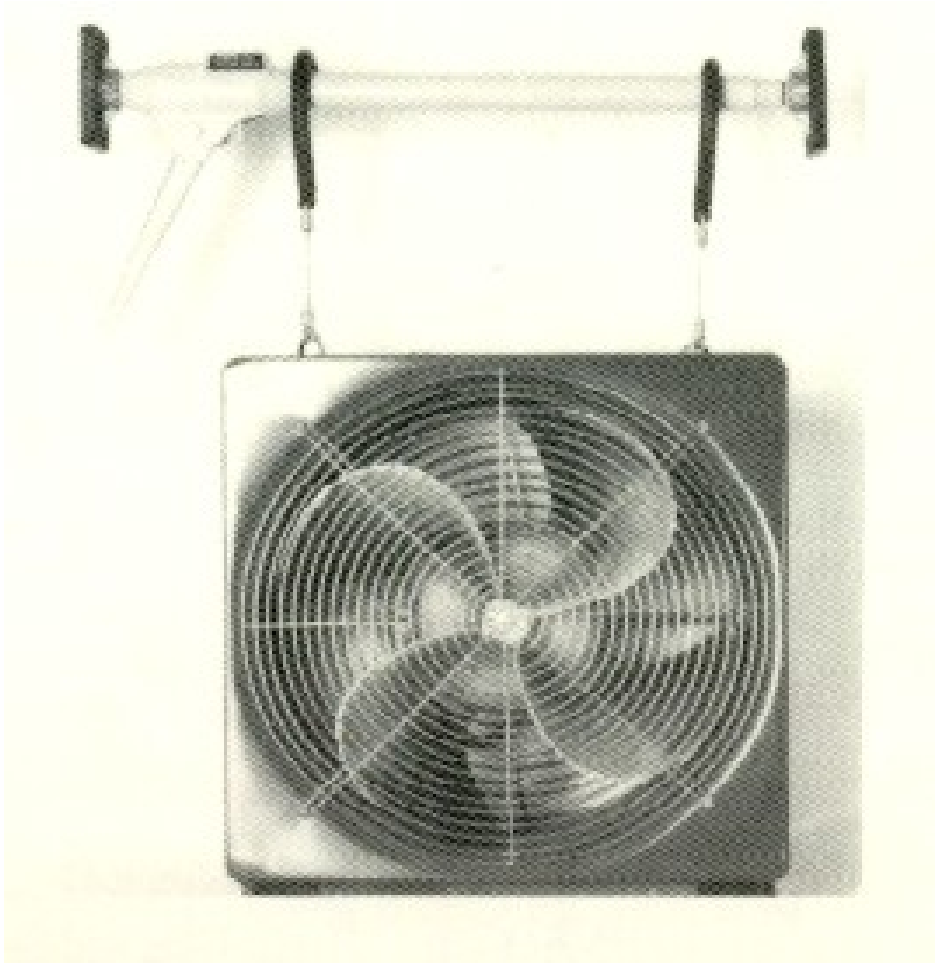
SUPERVAC BOXFAN

- 115 V POWER SUPPLY
- ***3200 CFM***
- EXPLOSION PROOF
- WEIGHS 52 POUNDS
- ONE PER DCRS

SUPERVAC BOXFAN

- VENTILATION TRUNKS ARE NOT AUTHORIZED
- DOOR BARS AND HOOKS PROVIDED FOR HANGING



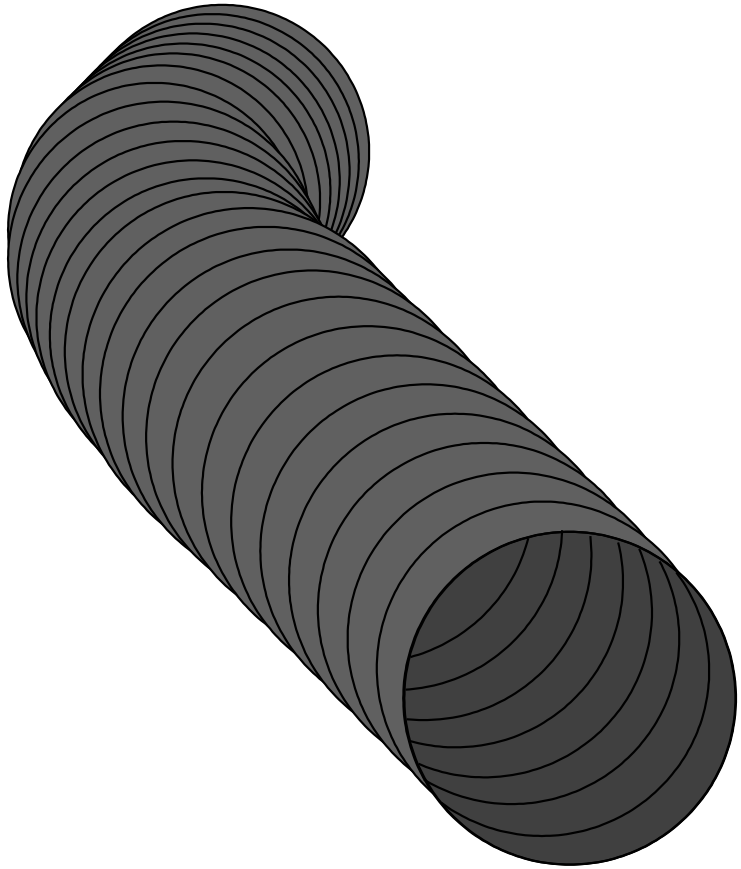


PORTABLE VENT DUCTS

- 8 INCH
  - NON-COLLAPSIBLE WIRE REINFORCED
  - 15 FEET LONG
  - MALE AND FEMALE ENDS
  - SEPARATE STAND

PORTABLE VENT DUCTS

- 10 INCH
  - SIGNIFICANT INCREASE IN VOLUME OF AIR
  - NON-COLLAPSIBLE WIRE REINFORCED
  - QUICK DISCONNECT FITTINGS ON ENDS
  - SELF STANDING BRACKET



SADDLE VENT

- Allows for personnel movement without interrupting ventilation requirements
- Stow with ventilation equipment
- Hatch bolt is used to secure vent saddle

SUMMARY

- DISCUSSED
  - RDB
  - RAMFAN
  - SUPERVAC
- DESCRIBED THE OPERATING PROCEDURES, PARAMETERS, SAFETY PRECAUTIONS, AND MAINT. REQUIREMENTS